

# Jandel Engineering Limited



## Jandel multipurpose measurement system

**Jandel Engineering Limited** offers the RM3000+ test unit in combination with the Multiheight Probe stand with micrometer controlled X-Y stage as a solution for measurements on sample sizes from several mm square up to 300mm. The system can be used for measuring samples such as very small sized thin layers, 300mm wafers or ingots up to 250mm high (thicker samples can be accommodated on request).

The RM3000+ supplies constant currents between 10nA and 100mA, and measures voltages from 0.001mV to 1000mV. For sheet resistance

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measurements, the quoted range is 1 milliohm/square to 100 Megohms/square. For volume (bulk) resistivity measurements, the quoted range is 1 milliohm.cm to  $1 \times 10^6$  ohm.cm. Measurements outside these ranges may be possible, but will depend on the type of sample.

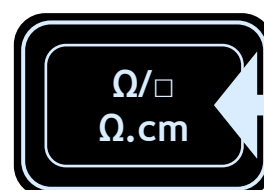
Max. sample size	Samples up to 250mm diameter (300mm option at no extra cost)
Max. sample thickness	Samples up to 250mm high can be measured (higher on request)
Microswitch	Prevents current flow when probe is not in contact with sample
Manual control	Simple lever operation for probe contact and removal
Simple set up	Single wire connects probe stand and RM3000+
X-Y stage	Offers micrometer controlled manipulation of small samples
Measurement range	1 mohm/square - 100 Megohms/square, 1 mohm.cm - 1 Megohm.cm
RM3000+ units	mV ohm/square ohm.cm (wafers) ohm.cm (volume)
RM3000+ software	For operation and data control. Supplied free of charge

### System configuration

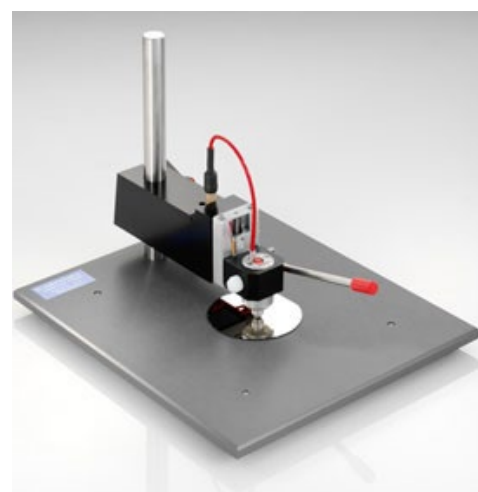
Component parts:

- A. Measurement base - 1 pc
- B. Multiheight assembly - 1 pc
- C. Multiheight column - 1 pc
- D. Four point probe head - 1 pc
- E. Connecting cable - 1 pc
- F. Micrometer table - 1 pc
- G. RM3000+ test unit - 1 pc

**Note:** Our multipurpose measurement system includes a cylindrical four point probe head. For more information on cylindrical probe heads and the specifications available, please see our cylindrical probe head datasheet.



Easy unit selection



*If you require any further information on the Jandel multipurpose measurement system, please do not hesitate to contact us using the details below.*